

5-692.216 Procedures for Washing and Drying Gradation Samples Containing Salvaged Bituminous

- A. Use the "matched sample" method described in Section 5-692.215 of the Grading and Base Manual. Select a second representative sample of equal weight and moisture content to the first sample. Dry this sample and record the weight. Wash and dry the first sample as described below.
- B. Soak the sample to be washed for 15 (\pm 5) minutes in a detergent and water solution at temperature not to exceed 40° C (100° F). The sample should be gently stirred at the beginning of and at least once during the soaking period. The solution should not contain more than 1 gram of concentrated liquid dish washing detergent per liter (1/4 teaspoon per quart) of water.

NOTE 13: The concentration of the detergent should not strip the film of asphalt from the particles of salvaged asphalt pavement. Reduce the amount of detergent used if excess stripping or suds occur.

- C. Wash the sample through the 75 μ m (#200) sieve as above or in accordance with Grading and Base Manual Section 5-692.215. Mechanical washing devices shall not be used. Regularly inspect and clean the wash sieve to prevent a buildup of oil film or soap scum.
- D. Dry the sample until a constant weight is reached in accordance with one of the following methods:
1. In an oven at a temperature not to exceed 60 °C (140 °F)
 2. Under infrared heating lights with continuous moderate airflow across the surface of the sample. Adjust the distance from the heat source to prevent the temperature of the sample from exceeding 60°C (140 °F).
 3. Over a hot plate or stovetop electric burner using a sand bath having a minimum depth of 38mm (1.5"). Control the temperature of the sand to prevent the drying sample from exceeding 60 °C (140 °F). Stir the sample occasionally in the early drying stages and continuously as the sample approaches a constant weight.
- E. Weigh and sieve the sample in accordance with established procedures.